MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

First & Final Bill

DOR => 14.12.2018

30

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 189640

Serial No.....

Name of work.....From.....To.....

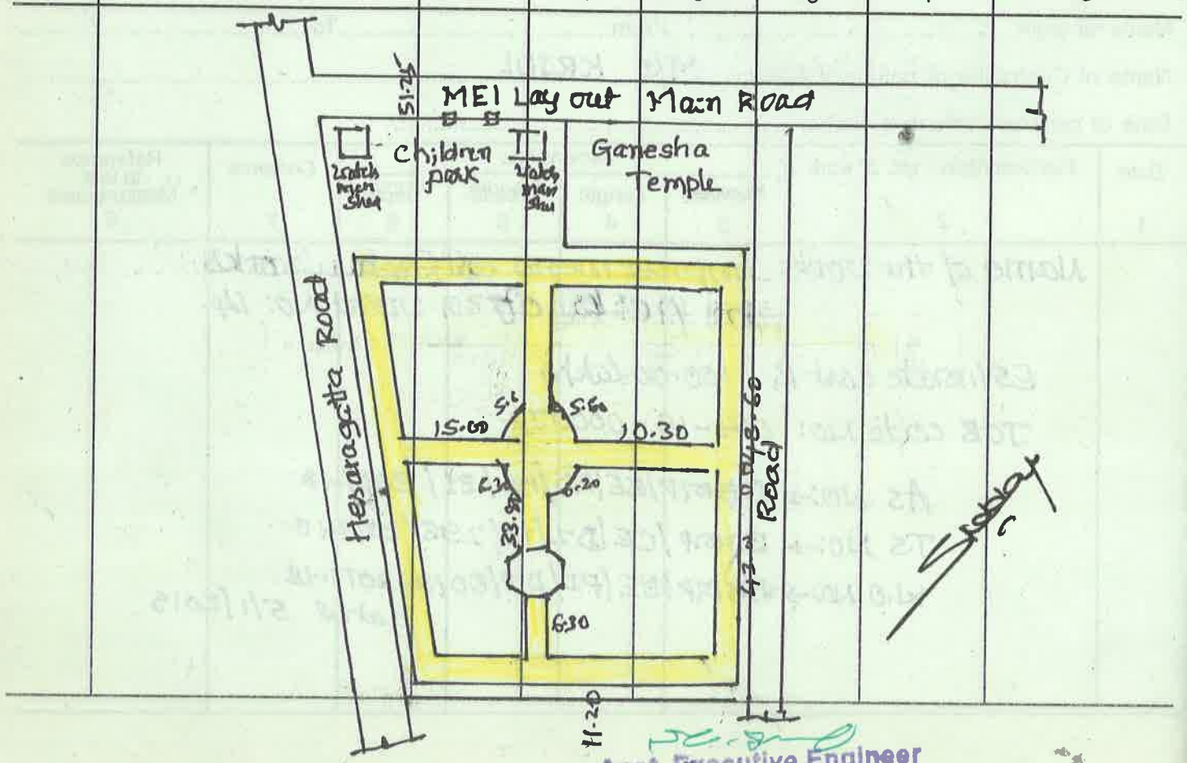
Name of Contractor of nature of Agency.....M/s KRIOL.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of the work: Improvements and Repair works in parks of ward No: 14. Estimate cost Rs 100.00 Lakhs JOB code NO: 014-18-000074 AS NO:→ BBMP/EE/PD/AS/21/2017-18 TS NO:→ BBMP/CE/DZ/TS/296/2017-18 W.O NO:→ BBMP/EE/PD/D-0/0018/2017-18/ dated 5/1/2018						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Asst. Executive Engineer

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 189641

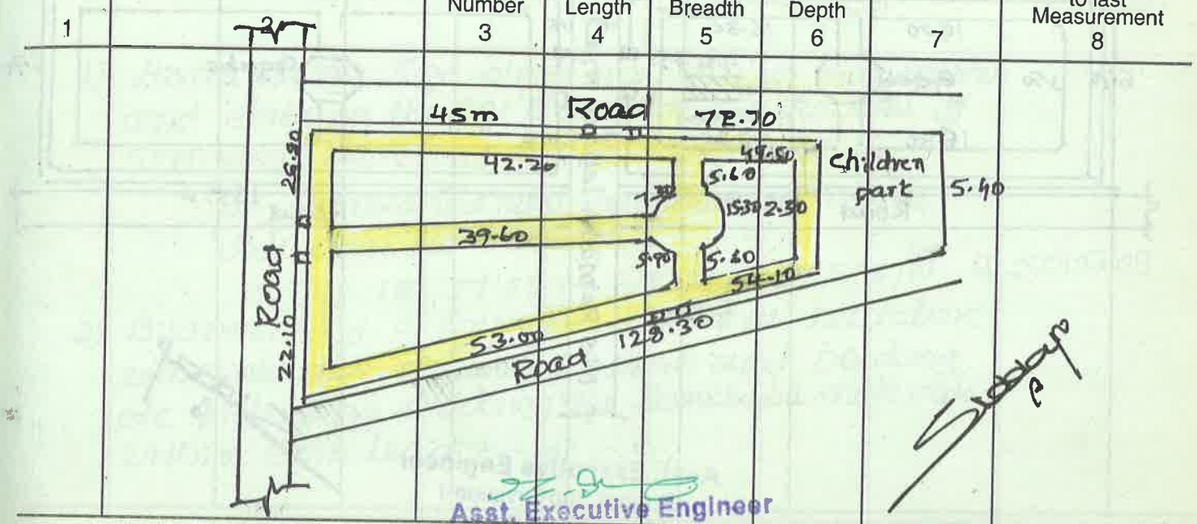
Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

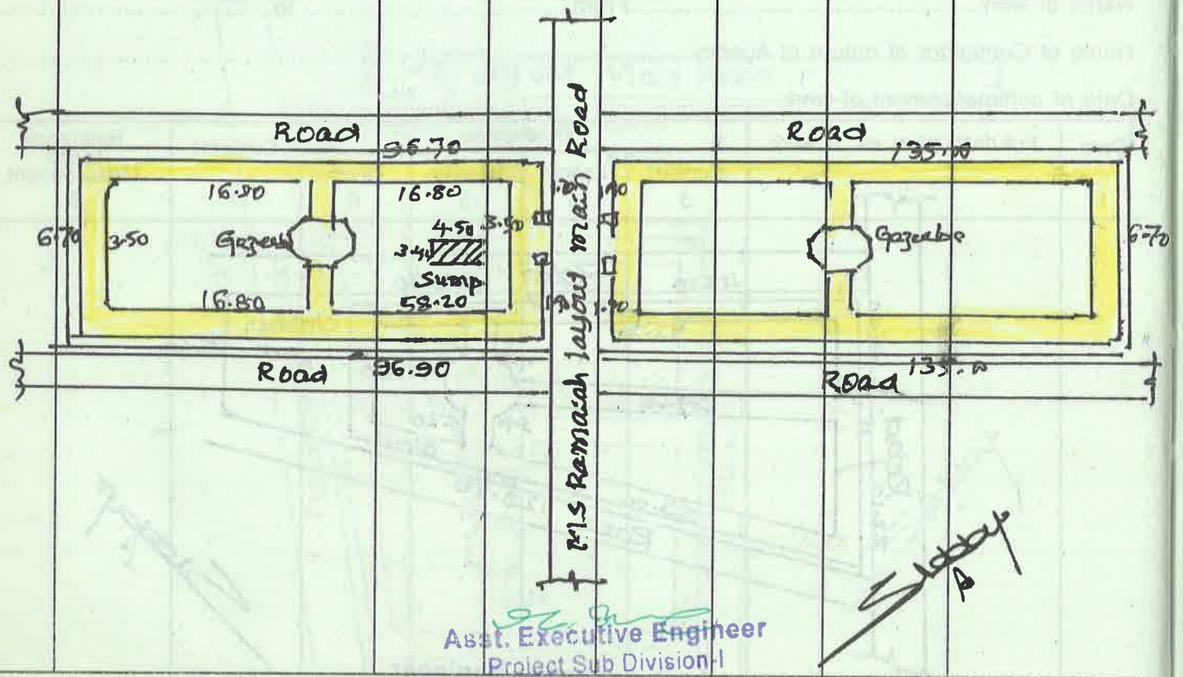
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189642

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Dismantling Size stone masonry in clay mortar and stacking the Size stone within a radious of 50m and removing the debris up to 200m BF Premeasurement Recorded in this MB Vide page No: 189684 ie 17.55 M^3 @ Rate Rs 285.76/m^3					Rs 5015=09	
	2) Dismantling of expanded Metal or IRC Fabric with weld mesh necessary battern and bedding etc including stacking the Serviseable materials within 50m lead						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	BF Premeasurement Recorded in this MB vide page No: 189684 ; i.e 465.25 M^2 @ Rate Rs 117.28/- Rs						54564=52
3)	Earth work excavation by manual means in hard soil involving an horizontal throw up to 2m and an average lift up to 1.5m excavated surface is levelled and sides neatly dressed. The disposed earth to be levelled neatly after breaking of clods.						
	BF Premeasurement Recorded in this MB vide page No: 189685 ; i.e 449.1 M^3 @ Rate Rs 222.04/m^3 Rs						99720=38
4)	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs with 40mm and d/s graded granite metal machine mixed concrete laid in layers not exceeding 15cms thick well compacted etc complete as per specification.						

M.A.R. 57 (Rule 116)

189643

Measurement Book

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	BF Premeasurement Recorded in this MB vide page No: 149686 ; i.e 142.10 M^3 @ Rate Rs 5449.68/m^3 Rs						774399=53
5)	Providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar 1:6 edges of stones chisled dressed in courses not less than 15cms high bond stones at 2m apart in each course including cost of radial labour etc complete						
	BF Premeasurement Recorded in this MB vide page No: 189687 ; i.e 108.36 m^3 @ Rate Rs 5405.40/m^3 Rs						585729=14

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6) Providing TMT steel Reinforcement for RCC works including straightening, cutting, bending hooking and placing in position lapping/welding wherever required tying with adjacent reinforcement with binding wires etc complete as per specification BF Premeasurement Recorded in this MB vide page No: 189687 ie 0.44 tonnes @ Rate ₹ 64243.42/- ₹						28,267.10
	7) Providing and laying in position plain cement concrete of mix M-20 with opc cement @ 300 kgs with 20mm & d/s graded granite metal machine mixed concrete laid in layers not exceeding 15cms thick well compacted including cost of materials labour, curing etc complete as per specification.						

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

189644

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Coping on SSM dressed portion.						
	Ganesha Temple park	2	5.00	0.45	0.10	0.45	
		1	10.00	0.45	0.10	0.45	
	MEI layout park	1	8.00	0.45	0.10	0.36	
		1	7.00	0.45	0.10	0.32	
	Ramaiah layout H/s park	1	10.00	0.45	0.10	0.45	
	Ramaiah layout R/s park	1	8.00	0.45	0.10	0.36	
		1	7.00	0.45	0.10	0.32	
	For Fencing pole Basement	1	5.00	0.45	0.10	0.23	
	Ganesha Temple park	30	0.45	0.45	0.40	2.43	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	MEI Layout park.	25	0.45	0.45	0.40	2.03	
	Ramaiah layout L/s.	25	0.45	0.45	0.40	2.03	
	Ramaiah layout R/s	35	0.45	0.45	0.40	2.84	
	New grill work Ganesha Temple park	3	0.45	0.40	0.40	0.22	
	For stone benches plat form						
	Ganesha Temple park	15	2.50	1.00	0.10	3.75	
	MEI Layout park	17	2.50	1.00	0.10	4.25	
	Ramaiah layout R/s	10	2.00	1.00	0.10	2.40	
	Ramaiah Layout L/s	12	2.00	1.20	0.10	2.88	
	Near Grill work Surop tank	50	0.30	0.30	050	3.50	
	Ramaiah layout R/s Bottom	1	3.00	4.50	0.15	2.03	
	Top slab	1	3.00	4.50	0.15	2.03	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 189645

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	To; let pit @ Ganesha Temple p	1	6.00	0.10	2.00	1.20	
		1	6.00	0.10	2.00	1.20	
	Ramaiah layo	1	1.50	1.50	0.15	0.34	
		1	1.50	1.50	0.15	2.59	
						38.71 (3)	
			@ Rate Rs 5985.36/-			Rs 231693=29	
	8) Providing and Removing centering and shuttering, Strutting, propping etc and Removal of form work for vertical Surface Such as walls at any thickness including attached pilasters						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	buttress plinth and string courses etc complete as per specification.						
	BF Permeasurement Recorded in this MB Vide page No: 189688						
	ie 121.40 m² @ Rate Rs 316.44/m²					Rs	38,415=82
9)	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not less than 1800 kg/m³ having a minimum average compressive strength of 4.00 N/mm² confirming to IS 2185 etc complete as per specification.						
	For Swimming pool						
	Ramesh layout R/s	1	9.00	-	1.80	16.20	
	MEI Layout	1	2.50	-	0.60	1.50	
						17.70 m²	
	@ Rate Rs 1011.96/m²					Rs	17911=69

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189646

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10)	Removing the old paint from steel and/or other metal surface with hand scrapping and making surface even including cost of labour complete as per specification.						
	BF Permeasurement Recorded in this MB Vide page No: 189689						
	ie 4306.99 m² @ Rate Rs 56.16/m²					Rs	241880=56
11)	Extra for Removing white wash or colour wash by steel brushing or scrapping sand papering the ceiling and or sloping roof surface smooth including						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	repairs to scratches cost of labour complete as per specification.						
	BF Previous work mt Recorded in this MB vide page No. 189689						
	i.e 850.23 M^2 @ Rate Rs 49.68/m^2					Rs	42,242=41
12)	Supplying and fixing MS Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC 1:2:4 with 2 Nos 16 mm dia MS hold fast rods each of length 2.5 mtrs including cost of all material labour etc complete as per Specifical						
	Ganesha Temple pole	30	2.20	—	66.00		
	MEI Layout park	25	2.20	—	55.00		
	Ramaiah Layout park R/s	35	1.80	—	63.00		
	Ramaiah Layout park L/s	25	1.80	—	45.00		
					229.00	Mtrs	

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189647

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	BF Total Qtty 229.00 mtr @ Rate Rs 884.52/-					Rs	202555-08
13)	Providing and fixing MS block pipe of 38 mm dia of heavy guage of 14 including removing the bends cutting the pipe and fixing pipe in between the existing two vertical poles and spot welding the chain link 25th MS block pipe etc complete as per specification						
	BF Previous work mt Recorded in this MB vide page No. 189690						
	i.e 1150.00 mtrs @ Rate Rs 349.92/-					Rs	402408=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
14)	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts and nuts the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, wiring lead and lift etc complete as per specification.						
	BF Premeasurement Recorded in this MB vide page No: 189690						
	i/c 502.50 M² @ rate Rs 711.72/					Rs	357639-30
15)	Fabricating providing and erecting in position of hot dip galvanised MS Ornamental MS security grill using 75x12mm MS flat for allround frame work with verticles at the center and horizontal centre support MS square of 20x20mm of different heights as shown in the drawing are						

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189648

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	to be fixed at 16cms c/c for square bars of full height and at 8cms c/c for bottom rods providing ornamental CI designers at the bottom CI arrows at the top etc complete as per specification						
	Ganesha Temple park Gate	1	5.00	-	1.50	7.50	
	Small grill work in side the park	2	5.60	-	0.80	8.96	
		2	6.30	-	0.80	10.08	
		2	15.00	-	0.80	24.00	
		2	10.30	-	0.80	16.48	
		2	34.70	-	0.80	55.52	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	28.10	-	0.80	44.96	
						167.50 m²	
	@ 30 kg/m² => 5025 kgs.						
	@ Rate Rs 171.72/kgs					Rs 862893=00	
16	Providing 20mm thick cement plaster in single coat with cement mortar 1:3 to to Stone masonry and concrete surface including rounding off corners wherever required Smooth rendering including providing and removing Scaffolding cost of materials labour etc complete.						
	For Bench platform						
	Ganesha Temple part	15	2.50	1.00	-	37.50	
	Sides	15	7.00	-	0.20	21.00	
	MEI Layout parts	17	2.50	1.00	-	42.50	
	Sides	17	7.00	1.-	0.20	23.80	

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189649

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ramaiah layout park R/s	10	2.00	1.00	-	20.00	
	Sides	10	6.00	-	0.20	12.00	
	Ramaiah layout park L/s	8	2.00	1.00	-	16.00	
	Sides	8	6.00	-	0.20	9.60	
	Swamp land						
	Top & bottom	2	2.75	1.80	-	9.90	
	wall	1	9.00	-	1.80	16.20	
						208.50 M²	
			@ Rate	Rs 279.72/m²		Rs 58321-62	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	17) Providing raised and cut pointing to coursed stone masonry with cement mortar 1:3 20mm deep after racking the joints to depth of 20mm by; cely kwing; including cost of materials labour curing etc complete as per specification.						
	Cf BF Por measurement Recorded in this MB vide page No: 189630						
	ie 1398.00 m² @ Rate Rs 154.44/m²					R	215907=12
	18) Applying Red lead ready mix painting coat over new steel or other metal surface including preparing the surface after thoroughly cleaning oil grease dust and other foreign matter and scoured with wire brushes etc complete.						
	Paint for Fencing Ganesha temple pak						
	East side 2×2	30.00	–	1.50	180.00		
	2×1	12.70	–	1.50	38.10		

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189650

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	MS gate	2	3.20	–	$\frac{1.95+1.65}{2}$	11.52	
	North side	2	11.20	–	1.50	33.60	
	West side	2×1	30.00	–	1.50	90.00	
		2×1	18.60	–	1.50	55.80	
	MS gate	2	3.10	–	$\frac{2.0+1.70}{2}$	11.47	
		2×1	30.00	–	1.50	90.00	
		2×1	13.00	–	1.50	39.00	
	South side	2×1	30.00	–	1.50	90.00	
		2×1	21.25	–	1.50	63.75	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Grill Compound	2X2	30.00	—	0.80	96.00	
	MEI Layout Park	2	11.00	—	1.50	33.00	
		2	30.00	—	1.50	90.00	
	Grill work in park						
	Ganesha Temple pa	2X14	30.00	—	0.80	672.00	
		2X1	15.00	—	0.80	24.00	
	Gazeeba						
	Ganesha Temple 3 NOS	8X3	0.52	—	2.50	31.20	
		2X3	5.80	—	0.20	6.96	
		8X3	2.50	—	0.20	12.00	
		8X3	3.50	—	0.20	16.80	
	MEI Layout park 2 NOS	2X8X2	0.52	—	2.50	20.80	
		2X2	5.80	—	0.20	4.64	
		8X2	2.50	—	0.20	8.00	
		8X2	3.50	—	0.20	11.20	
	Ramaiah Layout Par. R/S 1 NO	8X1	0.52	—	2.50	10.40	
		2X1	5.80	—	0.20	2.32	

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189651

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		8X1	2.50	—	0.20	4.00	
	Ramaiah layout L/S 1 NO	8X1	3.50	—	0.20	5.60	
		8X1	0.52	—	2.50	10.40	
		2X1	5.80	—	0.20	2.32	
		8X1	2.50	—	0.20	4.00	
		8X1	3.50	—	0.20	5.60	
	Light poles						
	Ganesha Temple	15	0.30	—	2.50	11.25	
	MEI Layout	15	0.30	—	2.50	11.25	
	Ramaiah layout	15	0.30	—	2.50	11.25	
	Gate MEI layout 2 NO	4	3.00	—	2.00	24.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ramnad layout R/s	2	3.00	—	2.00	12.00	
	L/s	2	3.00	—	2.00	12.00	
	Dust bin						
	Ramnad layout R/s	3	1.30	—	0.65	7.61	
	L/s	3	1.30	—	0.65	7.61	
	Name boards MEI Layout	1	1.50	—	1.50	2.25	
		1	1.20	—	0.90	1.08	
		1	2.50	—	0.80	2.00	
	Ramnad Layout R/s	1	1.50	—	1.50	2.25	
		1	1.20	—	0.90	1.08	
		1	2.50	—	0.80	2.00	
	Ramnad layout L/s	1	1.50	—	1.50	2.25	
		1	1.20	—	0.90	1.08	
		1	2.50	—	0.80	2.00	

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189652

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	MEI Layout Front						
	East side	2	22.10	—	1.50	66.30	
		2	26.80	—	1.50	80.40	
	South side	2x1	30.00	—	1.50	90.00	
		2x1	15.00	—	1.50	45.00	
		2x2	30.00	—	1.50	180.00	
		2x1	12.70	—	1.50	38.10	
	West side	2x1	5.40	—	1.50	16.20	
	North side	2x4	30.00	—	1.50	360.00	
		2x1	8.30	—	1.50	24.90	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ramaiah layout R/s						
	East side -	2	96.60	—	1.55	299.46	
	West side	2	96.60	—	1.55	299.46	
	South side	2	6.70	—	1.55	20.78	
	Ramaiah layout L/s West side	2X4	30.00	—	1.55	372.00	
		2X1	15.00	—	1.55	46.50	
	west side	2X4	30.00	—	1.55	372.00	
		2X1	15.00	—	1.55	46.50	
	New fencing part Ganesha Temple	2X3	30.00	—	1.80	324.00	
		2X1	10.00	—	1.80	36.00	
	MEI Layout	2X2	30.00	—	1.80	216.00	
	Ramaiah part L/s	2X2	30.00	—	1.50	180.00	
		2X2	30.00	—	1.50	180.00	
	Ramaiah Part R/s	2X2	30.00	—	1.50	180.00	
		2X2	30.00	—	1.50	180.00	

M.A.R. 57 (Rule 116)

Measurement Book

189653

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	New gate						
	Ganesha Temple pwd	2X2	3.00	—	2.00	24.00	
	MEI Layout	2	1.20	—	1.50	3.60	
	New windows	8	1.20	—	1.30	12.48	
	MEI Layout	4	1.20	—	1.30	6.24	
	New door	2	0.90	—	2.10	3.78	
						5617.98 m²	
		@ Rate Rs	31.32	/m²		Rs	1,75,955=13

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
19)	Providing and applying enamoyl metal paint one coat (excluding priming coat) on previously painted steel or other metal surface brushing to give an even shade after cleaning of oil grease dirted and other foreign matter etc complete						
	BF Premeasurement Recorded in this MB vide page No: 189631						
	ie 4306.99 m² @ Rate R 55.06/-					R	2,37,229=00
20)	Providing and applying enamoyl paint to 2 coats (excluding primer coat) over new steel or other metal surface brushing to give an even shade after cleaning of grease oil etc complete						
	BF Premeasurement Recorded in this MB vide page No: 189654						
	ie 1310.99 m² @ Rate R 88.56/-					R	116101=27

M.A.R. 57 (Rule 116)

Measurement Book

189654

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	New fencing compd						
	Ganusha resp pw	2x3	30.00	—	1.80	324.00	
		2x1	10.00	—	1.80	36.00	
	MEI layout pw	2x2	30.00	—	1.80	216.00	
	Remedial Park R/s	2x2	30.00	—	1.50	180.00	
	Remedial pa L/s	2x2	30.00	—	1.50	180.00	
	Grill compound						
	MEI land	1	5.00	—	1.50	7.50	
	Small gate 2 nos	2x6	30.00	—	0.80	288.00	
		2x1	20.00	—	0.80	32.00	
	New gate	4	3.00	—	2.00	24.00	
	New window	2	1.20	—	1.20	2.88	
		8	1.20	—	1.30	12.48	
		4	1.20	—	1.30	6.24	
	New door	1	0.90	—	2.10	1.89	
						1310.99 m	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
21)	Removing and Resetting of ~~Kerb~~ pathway. BF Previous Measurement Recorded in this MB vide page No: 189691 ie 1635.50 M² @ Rate Rs 135/-					Rs	220725=00
22)	Removing and Resetting of Kerb stones BF Previous Measurement Recorded in this MB vide page No 189692 ie 1496 Mtr @ Rate Rs 66.96/-					Rs	100172=16
23)	Providing and fixing forecast Solid cement concrete Kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively 400 mm high and 450 mm in length finished with CM 1:3 plastering and finishing cutting including cost of material labour etc complete						

M.A.R. 57 (Rule 116)

Measurement Book

189655

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ganesha Temple part	5	2.00	—	10.00		
		5	6.00	—	30.00		
		6	5.00	—	30.00		
		9	4.00	—	36.00		
		8	3.00	—	24.00		
	MEI Layout part	4	7.00	—	28.00		
		6	6.00	—	36.00		
		3	5.00	—	15.00		
		8	4.00	—	32.00		
		1	2.00	—	02.00		

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ramaiah layout L/s	5	8.00	—	40.00		
		2	7.00	—	14.00		
		6	6.00	—	36.00		
		8	5.00	—	40.00		
		2	4.00	—	08.00		
		9	3.00	—	27.00		
	Ramaiah layout R/s	6	8.00	—	48.00		
		5	7.00	—	35.00		
		2	6.00	—	12.00		
		2	5.00	—	10.00		
		10	4.00	—	40.00		
	Shiva Temple Need	2	10.00	—	20.00		
					573.00		
		573/0.45 => 1273.33 Nos					
		@ Rate Rs 338.04/each				Rs 430436-47	

C&R M 25/3

573.00 nos/0.45

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

189656

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
24)	Painting two coats after filling the surface with Synthetic enamel paint in approved shades on new plastered concrete surface with materials labour complete as per specification.						
	Ganesha temple Kerb	4	30.00	—	0.55	66.00	
		1	10.00	—	0.55	5.50	
	MEI Layout Rd	3	30.00	—	0.55	49.50	
		1	23.00	—	0.55	12.65	
	Ramaiah layout Rd L/s	5	30.00	—	0.55	82.50	
		1	15.00	—	0.55	8.25	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ramaiah Layout park R/s	4	30.00	–	0.55	66.00	
		1	25.00	–	0.55	13.75	
	For old Kerb						
	Ganesha Temple par middle	2	10.30	–	0.55	11.33	
		2	6.30	–	0.55	6.93	
		2	15.00	–	0.55	16.50	
		2	34.70	–	0.55	38.17	
	South side	2x2	30.00	–	0.55	66.00	
		2x1	18.20	–	0.55	20.02	
	West side	2x2	30.00	–	0.55	66.00	
		2x1	24.70	–	0.55	27.17	
	North side	2	7.70	–	0.55	8.47	
	East side	2x3	30.00	–	0.55	99.00	
		2x1	5.70	–	0.55	6.27	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

189657

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	MEI Layout park	2	23.30	–	0.55	25.63	
		2	19.80	–	0.55	21.78	
		2	48.00	–	0.55	52.80	
		2	94.10	–	0.55	103.51	
		2	44.50	–	0.55	48.95	
		2	43.30	–	0.55	47.63	
	Ramaiah Layout L/s	2x3	30.00	–	0.55	99.00	
	LHS	2x1	4.50	–	0.55	4.95	
	RHS	2x3	30.00	–	0.55	99.00	
		2x1	4.50	–	0.55	4.95	
		2x1	6.40	–	0.55	7.04	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Retaining Layout R/s	2x9	30.00	–	0.55	297.00	
						1482.25m²	
	Deduct New kerb alt			573.00x0.55		315.15	
						1167.10m²	
				Qty limit to		1137.35m²	
				@ Rate Rs	64.80/m²	Rs	73,739.16
23)	Providing and laying heavy duty cobble stone 75mm thick interlock pavers using cement & course sand for manufacture of bricks of approved size shape and colour with a minimum Compressive strength of 28 Kg per Sqm over 50mm thick Sand bed and compacting with a plate vibrator having 3 tonnes compaction force etc complete as per specification.						

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189658

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ganesha temple pav	3	8.00	2.20	–	52.80	
		3	6.00	2.20	–	39.60	
		4	5.00	2.20	–	44.00	
		6	4.00	2.20	–	52.80	
	MEI Layout pav	4	6.00	2.20	–	52.80	
		5	5.00	2.20	–	55.00	
		4	4.00	2.20	–	35.20	
		5	3.00	2.20	–	33.00	
		3	6.00	2.50	–	45.00	
		4	5.00	2.50	–	50.00	
		1	2.00	2.50	–	5.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Ramaiah layout R/s	2	4.00	1.50	–	12.00	
		1	3.00	1.50	–	4.50	
		1	4.00	1.50	–	6.00	
	Ramaiah layout C/s	2	4.00	1.50	–	12.00	
		2	3.00	1.50	–	9.00	
		1	6.00	1.50	–	9.00	
	Near Shiva Temple	1	10.00	20.00	–	200.00	
						717.70 m^2	
			Qty limit to			704.50 m^2	
			@ Rate Rs 1047.60/m^2			Rs	738034-20
26)	Providing textured paint of approved quality, coloured and shade to wall surface after cleaning and rubbing the wall surface after with wire brush of medium size every stone to remove						

C 4th M.B 20

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 189659

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	all the loosely adhering particles the surface is then cleaned with water and ensured that it is true and level. The textured material is then mixed with 40-50% of water until a homogenious thick slurry is formed. The Textured prepared is applied to the wall surface etc complete as per Spec.						
	BF Premises not Recorded in this MB vide page no:						
	i.e 827.59 m^2 @ Rate Rs 375.84/m^2					Rs 311041-43	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
27)	Providing and fixing RCC name board of size 1.35x0.60x0.4 mtrs fixed in reinforced cement concrete poles of size 0.10x0.10x2.10 m crossed coarse of M-20 proportion using 20mm & d/s graded granite machine mixed concrete laid in layers not exceeding 15cms this will comprehensive complete						
	Ganesha Temple	2 NO.					
	MEI Layout park	2 NO					
		4 NO: @ Rate Rs 5346/-					A 21384-00
		Measurements Brought forwards to Page No: 189693 and continued.					

6644381.47

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

189693

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

6644381.47

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	BF Amount R. 66	44379 = 47	
	BF measurements from page 189660						
28)	Providing and fixing MS gate as per chief Architect drawing using 50mm x 50mm 14 guage MS hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16mm x 16mm Square rods for rectangle alternatively spaced at 4cms c/c in two halves and 40mm x 6mm MS flats for horizontal members the complete MS gate Bijaresha Temple MEI Lalyw	2 1	3.00 1.20	-	2.00 1.20	12.00 1.44 13.44 m²	42587=60
		@Rate R 3168.72/m²				R	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
29)	Joint Beech made out of Sadarahalli grey Stone with stone legs with back Supporter with 150 mm Slab with 4 Line finishing						
	Ganesha Temple pa	21					
	MEI Layout part	17					
		4					
		42 Nos @ Rate R 10,500/-				R	4,41,000=00
30)	Construction brick masonry inspection chamber 450 x 450 mm and 450 mm deep for 1 No Single pipe line using table moulded non modular bricks of class designation 50 in cement mortar 1:6 CI cover with frame heavy duty etc complete as per specification.						
	MEI Layout pa	2 Nos @ Rate R 7604.28				R	15208=56

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

189694

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
31)	PVC pipe 10 kg/cm² 110 mm outer dia						
	For Ganesha Temple pat	4	10.00	— 40.00 Rmts			
			@ Rate R 510/mt			R	20,400=00
32)	Providing and fixing of Windows made of pre painted steel (base steel as per IS 513 of 0.58 mm thick galvanized as per IS 277 with Zinc of 120 gm) primer coated with epoxy primer of 5-7 microns thick finish painted with a polyster paint of 12-15 microns etc complete as per specification.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	New Windows						
	Ganesha temple pan	4	1.20	"	1.30	6.24	
	MEI Layout park	2	1.20	–	1.30	3.12	
						9.36 m²	
			@ Rate Rs 4962.66/m²			Rs	46449=94
33)	Providing and fixing 1 mm thick MS shut- garage door with 5cm frame and diagonal braces of size 40×40×6 mm angle iron 3.15 mm thick MS gusset plate at the junctions and corner with handle stoppers and locking arrangements etc including applying a primary coat etc complete as per specification.						
	New Door						
	Ganesha Temple pan	1	0.90	–	2.10	1.89 m²	
			@ Rate Rs 2518.56/–			Rs	4760.08

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

189695

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
34)	Providing time Sand mortar of mix 1:3 including cost of all materials Labour charges Hire of machinery complete as per specification.						
	Ganesha Temple pan	2	4.35	3.10	0.10	2.70	
		2	1.52	1.50	0.10	0.48	
		1	4.35	3.10	0.10	1.35	
		1	1.52	1.50	0.10	0.23	
						4.073 m³	
			@ Rate Rs 3061.80/m³			Rs	14480=78

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
35)	Providing and fixing on wall surface 2.5kg/cm² HDPE rain down water pipes 90mm outer dia approved make and brand with necessary specials like shoes bends and offsets etc complete						
	Ganesha Temple park	2	3.00	–	6.00		
		3	3.00	–	9.00		
					15.00 rmt		
	@ Rate Rs 429.84/rmt					Rs	6447=60
36)	Providing and laying precast drain cover slabs of 100 mm thick in cm 1:3 including cost of all materials labour, carriage transportation etc complete						
	BF Measurement Recorded in this MB vide page No: 189692						
	i.e 791.00 m² @ Rate Rs 1873.1/m²					Rs	1481543=00

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

189696

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
37)	Providing and fixing steel dust bins						
	Ganesha temple park	6					
	MEI Layout Park	6					
	Ramaiah L/o park R/s	4					
	Ramaiah layout L/s	4					
		20 Nos @ Rate Rs 1500/-				Rs	30,000=00
						Subtotal Rs	8747257-03
38)	Add KRIDL charges @ 11%					Rs	9,62,198=27
						Grand Total Rs.	9709455=30

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	BF Grand Total Rs. 97,09,455=30						
	Certificate						
	1. Certify that the Contractor complete the work Satisfactorily						
	2. Certify that there is no depaid material issues to Contractor						
	3. Certify that the Contractor cleared all debris @ work spot						
	Assst. Executive Engineer Project Sub Division-1 Dasarahalli Zone, Bruhat Bengaluru Mahanagara Palike EXECUTIVE ENGINEER-4 KRIDL, BBNP DIVISION BENGALURU-560 010 14.12.2018						

M.A.R. 57 (Rule 116

Measurement Book

No. C/09 189697

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Gross - 97,09,455-			
				IT		1,94,190-	
				KWC		97095-	
				F&D		485473-	
				CBC		10000	
				CHST		86692-	
				SBST		86692-	
				Fine		4075-	
				RA		27233	
						991,450.	
				Ded		8718005-	
				net			
	Audited and admitted for Rs. 9709455/-						
	Passed by Cheque for Rs. 8718005/- Eighty						
	Seven lakhs eighteen thousand						
	and five only						
	By accountant	991,450/-					
	28 Jan 18						
	Accounts Superintendent						
	B.B.M.P. Dasarahalli Division						